Generation IV Roadmap Overview

Boston Quarterly Meeting
June 25, 2002

GIF Progress

Generation IV International Forum (GIF)

Argentina	Brazil	Canada	France	Japan
Korea	S. Africa	Switzerland	UK	US
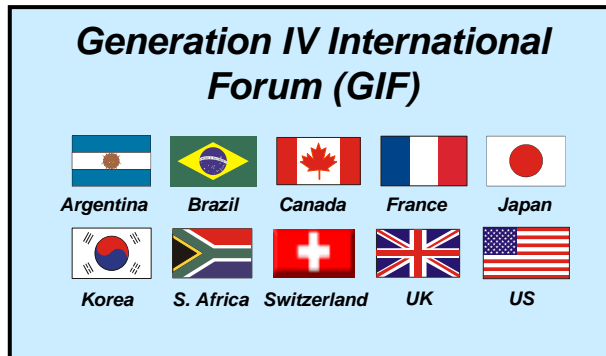
January 2000	*Washington*	*Countries support Gen IV idea*
April 2000	*Washington*	*Experts convened on path forward*
August 2000	*Seoul*	*Comment on goals, write charter*
March 2001	*Paris*	*Finalize charter, support roadmap*
October 2001	*Miami*	*Comment on methodology*
February 2002	*London*	*Discuss concepts and selection*
April 2002	*Washington*	*Review concept evaluations*
May 2002	*Paris*	*Agree on 6 long-term concepts*
July 2002	*Rio de Janeiro*	*Review R&D plans*
November 2002	*Tokyo*	*Plan R&D collaborations*

GIF Paris and Rio Highlights

Selection of Systems

- **Generation IV: 6 systems chosen**

- **International Near Term Deployment (INTD)**

  - **Deployable by 2015**

  - **Equal or better than baseline ALWR**

  - **4 systems chosen** (PBR, PMR, CANDU NG, IPSRs)

  - **About a dozen also being considered, including all of the U.S. NTD reactors (TWG1&2 will review and recommend)**

Moving Forward on R&D Collaborations

- **Considering organization of R&D projects**

- **Considering the R&D**

- **Beginning to state interests in the Generation IV systems**

Roadmap Documentation

Roadmap Summary

- *Sets the context and summarizes recommendations*
- *Written for non-technical audience*

Technical Roadmap

- *Provides technical descriptions, analysis, and justifications*
- *Written for nuclear technical audience*

Detailed Roadmap Reports

- *Eventually available on CD-ROM*

Interim Roadmap

Technical Roadmap was to be Built in Three Steps

- **Draft: Introduction and Selection of Systems ~ Mar '02**
- **Interim: add R&D Gaps and Needs ~ May '02**
- **Final: add R&D Integration and Planning ~ July '02**

The Interim Roadmap is Evolving Rapidly:

- **The 'handout' version is essentially the 'Draft'**
- **Your 5-page R&D writeups (due Thursday) are the first cut at adding the R&D Gaps and Needs to make the Interim 'complete'**
    - ¬ **They must be high-level, and make a good transition from the introduction – you may suggest edits to the Interim**
    - ¬ **They must survey the R&D and convey its priority and importance – these are to be agreed upon in our review meetings with the TWG and CG leaders**
    - ¬ **They will serve several purposes – in Roadmap & Planning Reports**

- **GIF will review the 'handout' version in Rio and comment on it**
- **GRNS will review the 'complete' version during July**

Summary

- ## *We are 1-2 months behind the original schedule*

- ## *This meeting has changed from an R&D 'integration' meeting, to having a focus on reviewing the R&D, looking for overlaps and omissions, agreeing on priorities, and writing key overview sections*

- ## *July will be spent in completing the Interim Roadmap and working on the R&D Planning Report*

- ## *August will focus on drafting the Final Roadmap*

- ## *September will be spent in reviews*

- ## *The RIT will primarily perform the R&D integration*

- ## *The TWGs and CGs will act as a resource, and follow-up on requests for writing, editing and information*